

Name: _____

Date: _____

Simplifying Radicals Worksheet: Products, Quotients, Rationalizing Denominator

Directions: Simplify each expression COMPLETELY:

- Radicand has no perfect square factors other than 1.
- Radicand has no fractions.
- Denominator of a fraction has no radical.

1. $\sqrt{300}$	2. $2\sqrt{32}$	3. $4\sqrt{98}$
4. $(\sqrt{6})(\sqrt{2})$	5. $(2\sqrt{2})(3\sqrt{8})$	6. $\frac{4\sqrt{30}}{12}$
7. $\frac{6}{\sqrt{6}}$	8. $\frac{8}{\sqrt{10}}$	9. $\frac{7\sqrt{12}}{\sqrt{6}}$

